

ABSTRACT OF DISCLOSURE

An optical detector 1 wherein detection elements 11, 12, 13 and 14 are provided in a sealed case 4 whose opening portion 3 is blocked with a window material 2 for transmitting light such as an infrared and an ultraviolet ray therethrough, the detection elements being formed opposite to the window material; and optical filters 21, 22, 23 and 34 are disposed between the window material 2 and the detection elements 11, 12, 13 and 14 and used for selecting and causing only light composed of a predetermined band of wavelengths to be transmitted by thin optical films in connection with the detection elements 11, 12, 13 and 14. The optical detector includes a shielding body 9 having housing portions 28, 29, 30 and 31 for containing the optical filters 21, 22, 23 and 24 and used for preventing any light composed of other than the predetermined band of wavelength selected by the thin optical films and preventing light producing an interference effect during measurement from being transmitted through the optical filters 21, 22, 23 and 24.